










# Ultrasonic Rodent Repellent

## Features

-  Easy to install
-  Compact and handy
-  Rodents and Pests cause lot of damages incurring heavy loss
-  Installation of MASER Repeller will help to reduce these losses
-  Effects of ULTRASOUND On Rodentst
-  Uncomfortable and painful
-  Adverse effect on the nervous system
-  Reproduction
-  Eating habits and Mobility



### C Systems Ultrasonic Rodent System

Model-URRS-20T consists of one main console, 12 transducers & a cable bundle of 0.25 Sq.mm 2 core cable. The main console is a microcontroller based system with embedded power electronic circuits to generate a pattern of ultrasound waves at 800mW power output per transducer. All parameters such as start frequency, end frequency, sweep time, wave pattern etc are pre programmed in the system. The sound waves are at high frequency (well above 20KHz which is not audible to human ear) The transducers emit intensive sound at high decibels (that are audible and painful to pests but inaudible and harmless to humans. The rodents usually leave the area being protected by ultrasound. They do not get killed.

#### SYSTEM OPERATION

On power up, the main console starts generating ultrasound with factory settings. Each transducer can cover an area of upto 300 Sq.ft at 3 m height ideally. Practically, each transducer can cover 150sq.ft even in sound absorbing environment. All the transducers can be installed in the above false ceiling & below false flooring in server rooms / data centers etc.

#### HOW DOES THE URRS-12T WORKS

The powerful sound waves generated by the Transducers are within the hearing range of many pests and rodents and cause them pain and discomfort. Many times, the rodents will leave the area under ultrasound protected immediately and other times it will take as long as four to eight weeks before there is a significant reduction in infestation. The transducers are quiet. To test the operation of transducers, select "Test Transducer" in the menu.

#### CABLES

Two core (14/40) SWG cables of 90 meters for connecting the transducers with the panel.

#### Panel Specification

Frequency	URRS - 12T Main Console
Operating frequency	Above 20KHz (Variable)
Frequency Generation	Voltage controlled oscillator (VCO)
Transducer Test	"Test Transducer" Menu selection
Ventilation	Mini Exhaust Fan
Power O/P Transducer	800mW (100sq.ft Practical)
Power Consumption	15W approx
Power Supply	230V AC / 50 Hz
Dimensions in mm	290 x 210 x 100
Weight	6 Kg
Mounting	Wall Mounting

#### Transducer Specification

Ultrasound Generator	Piezo Electric Disc (35mm)
Sound Pressure	80dB to 110dB (At 1 meter)
Transducer Housing	ABS Plastic with mounting base
Colour	Half White
Dimension in mm	67.5( Dia) x 30 (H)
Mounting Method	Hole to Hole matches with Electrical T junction box

\*Tailor Made Products are available

Due to constant product modifications, GEESYS Technologies have the rights to amend the above information / Specification without prior notice.

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